

Tubul Tubul Vin US Mail and Electronic Mail

February 24, 2017

Mr. Jeffrey Thein
New Jersey Department of Environmental Protection
Division of Water Quality Bureau of Point Source Permitting – Region One
P.O. Box 029
Trenton, New Jersey 08625-0029

Re: Discharge Monitoring Report for January 2017
Diamond Alkali Superfund Site
Newark, New Jersey

Dear Mr. Thein:

In accordance with the New Jersey Pollutant Discharge Elimination System (NJPDES) Discharge to Surface Water (DSW) Permit Equivalent, dated May 2, 2000, for the Diamond Alkali Superfund Site in Newark, New Jersey, Tierra Solutions, Inc. (Tierra, formerly Chemical Land Holdings, Inc.) has prepared the Discharge Monitoring Report (DMR) for the month of January 2017 (Attachment 1). Tierra is currently extracting and treating groundwater in the on-site water treatment system and directly discharging effluent to the Passaic River.

The effluent is sampled once per month and analyzed for the chemical constituents listed in the NJPDES DSW Permit Equivalent. The analytical results for each sample are validated and the constituent concentrations are compared against the concentration limits established in the NJPDES DSW Permit Equivalent. The analytical results are representative of the effluent discharged throughout the month.

In January 2017, 60,460 gallons of groundwater were treated and discharged to the Passaic River. The direct discharge of treated effluent was limited to periods of high tide when the adjacent mud flats were not exposed. A flow meter was used to record the volume of treated effluent discharged to the river.

A summary of the analytical results for the January 2017 treated effluent and the corresponding monthly average and daily maximum permit limit concentration for each chemical constituent is included in Attachment 2.

If you should have any questions related to the DMR, please call me at (732) 579-7586.

Sincerely,

Brian Mikucki

Bi Minhole.

On behalf of Occidental Chemical Corporation (as successor to Diamond Shamrock Chemicals Company)

Enclosures

Cc: Ms. Elizabeth Butler

New Jersey Superfund Branch – 2 Emergency and Remedial Response Division U.S. Environmental Protection Agency, Region II 290 Broadway, 20th Floor New York, New York 10007-1866

Mr. Jay Nickerson Bureau of Case Management, Site Remediation Program Mail Code 401-05F P.O. Box 420 Trenton, New Jersey 08625-0420

Glenn Springs Holdings, Inc. 5 Greenway Plaza, Suite 110 Houston, TX 77046 Attention: Juan Somoano

Attachment 1

NAME Tierra Solutions, Inc. (formerly N.JPDFS DSI

Chemical Land Holdings, Inc.)

ADDRESS Two Tower Center Boulevard

10th Floor

East Brunswick, NJ 08816

FACILITY Diamond Alkali Superfund Site LOCATION Newark, Essex County, NJ

NJPDES DSW Permit Equivalent – May 2000 PERMIT NUMBER

FROM

---DISCHARGE NUMBER

 MONITORING PERIOD

 YEAR MO
 DAY
 YEAR MO
 DAY

 2017 01
 01
 2017 01
 31

☐ Check here if no Discharge.

Note: Read Instructions before completing this form.

		QUAN	TITY OR LOADING	3		QUALITY OR CONC	ENTRATION		NO.	FREQUENCY	SAMPLE
PARAMETER		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	OF ANALYSIS	TYPE
Flow	SAMPLE	60460	9446	GPD					0	1/30	Flow Meter
Tiow	PERMIT REQUIREMENT	NL^1	NL	GFD	And the second s				0	1/30	Flow Meter
Total Suspended Solids	SAMPLE				N/A	3.0 U	3.0 U	m = /1	0	1/30	Grab
rotal Suspended Solids	PERMIT REQUIREMENT				N/A	30	50	mg/l	0	1/30	Grab
Total Organic Carbon	SAMPLE				N/A	1.0 U	1.0 U	m = /1	0	1/30	Grab
Total Organic Carbon	PERMIT REQUIREMENT	- <u></u>	7		N/A	NL	40	mg/l	0	1/30	Grab
Petroleum Hydrocarbons	SAMPLE				N/A	5.0 UJL 5.0	UJL	ma/1	0	1/30	Grab
	PERMIT REQUIREMENT				N/A	10	15	mg/l	0	1/30	Grab
pH	SAMPLE				7.16	NA	7.98	SU	0	1/30	Grab
ρπ	PERMIT REQUIREMENT	<u>-1</u>			6	NL	9	30	0	1/30	Grab
2,4,6-Trichlorophenol	SAMPLE				N/A	5.0 U	5.0 U	/1	0	1/30	Grab
2,4,0-Tricinorophenor	PERMIT REQUIREMENT				N/A	115	260	- μg/l	0	1/30	Grab
2 Chlorophonol	SAMPLE				N/A	5.0 U	5.0 U	/1	0	1/30	Grab
2-Chlorophenol	PERMIT REQUIREMENT	- 100 m			N/A	35,	125	- μg/l	0	1/30	Grab
	or supervision in		ent and all attachments were p signed to assure that qualified			9: /		TELEPHON	E	DATE	
Brian Mikucki Project Coordinator	Brian Mikucki and evaluate the i system, or those project Coordinator to the best of my.l				anage the abmitted is, e SIGNA	TURE OF PRINCIPAL EXE	CUTIVE `	2) 579-75	86 201	7 02	24
TYPED OR PRINTED	significant penaltic for knowing violat		mation, including the possibi	iny of time and imp	orisonment OFF	ICER OR AUTHORIZED AC	ARE ARE	A NUM	/IBER	YEAR MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) 1) The flow quantity is actually the total flow discharged for the entire month. 2) NL – Not Limited. 3) N/A – Not Applicable. 4) U – Constituent Analyzed, but Not Detected. 5) GPD – Gallons per Day. 6) lbs/day – pounds/day. 7) J – Detection limit is estimated.

DISCHARGE MONITORING REPORT (DMR)

NAME Tierra Solutions, Inc. (formerly

Chemical Land Holdings, Inc.)

ADDRESS Two Tower Center Boulevard

10th Floor

East Brunswick, NJ 08816

FACILITY Diamond Alkali Superfund Site LOCATION Newark, Essex County, NJ

NJPDES DSW Permit Equivalent – May 2000 PERMIT NUMBER

DISCHARGE NUMBER

Form Approved OMB No. 2040-0004

	MONITORING PERIOD											
	YEAR MO	DAY		YEAR M	0	DAY						
FROM	2017 01	01	то	2017 0	1	31						

☐ Check here if no Discharge.

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		QUAN	TITY OR LOADING	3	Q	UALITY OR CONC	ENTRATION	NO.		FREQUENCY	SAMPLE
PARAMETER		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	OF ANALYSIS	TYPE
2,4-Dichlorophenol	SAMPLE				N/A	5.0 U	5.0 U	ua/l	0	1/30	Grab
2,4-bicinorophenor	PERMIT REQUIREMENT		<u></u>		N/A	23	150	μg/l	0	1/30	Grab
Phenol	SAMPLE				N/A	23 U	23 U	/1	0	1/30	Grab
Piletioi	PERMIT REQUIREMENT				N/A	23	40	μg/l	0	1/30	Grab
1.2.4 Triphlorohonzono	SAMPLE				N/A	5.0 U	5.0 U	ua/l	0	1/30	Grab
1,2,4-Trichlorobenzene	PERMIT REQUIREMENT				N/A	45	90	- μg/l	0	1/30	Grab
	SAMPLE	5.1E-04	8.7E-04	lbs/d	N/A	22 U	22 U	/1	0	1/30	Grab
Hexachlorobenzene	PERMIT REQUIREMENT	NL	16.3	ay	N/A	22	40	μg/l	0	1/30	Grab
1,2-Dichlorobenzene	SAMPLE				N/A	5.0 U	5.0 U	/1	0	1/30	Grab
1,2-Dictiloroperizerie	PERMIT REQUIREMENT				N/A	40	110	μg/l	0	1/30	Grab
1,3-Dichlorobenzene	SAMPLE				N/A	5.0 U	5.0 U	ua/l	0	1/30	Grab
1,3-Dictiloroperizerie	PERMIT REQUIREMENT				N/A	25	35	μg/l	0	1/30	Grab
1.4-Dichlorobenzene	SAMPLE				N/A	5.0 U	5.0 U	/1	0	1/30	Grab
1,4-Dictilotopetizette	PERMIT REQUIREMENT		10 (1000) 10 (1000) 10 (1000)		N/A	18	45	μg/l	0	1/30	Grab
NAME/TITLE PRINCIPAL EXECUTIVE OFFICE		ent and all attachments were p signed to assure that qualifie			4 - /		TELEPHON	E	DATE		
Brian Mikucki Project Coordinator	Brian Mikucki and evaluate the system, or those project Coordinator system, or these project Coordinator				snage the bmitted is, SIGNA	TURE OF PRINCIPAL EXE	CUTIVE	2) 579-75	86 201	7 02	24
TYPED OR PRINTED	significant penaltic for knowing violat		mation, including the possibi	lity of fine and imp	risonment OFF	ICER OR AUTHORIZED A	GENT ARE	A NUM	MBER	YEAR MO	DAY

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PARAMETER		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	OF ANALYSIS	TYPE
Fluoranthene	SAMPLE				N/A	10 U	10 U	/!	0	1/30	Grab
riuorantilene	PERMIT REQUIREMENT	-1-			N/A	NL	16	- μg/l	0	1/30	Grab
Naphthalene	SAMPLE				N/A	5.0 U	5.0 U	ua/l	0	1/30	Grab
Naphulalelle	PERMIT REQUIREMENT	-	-		N/A	35	105	μg/l	0	1/30	Grab
Phenanthrene	SAMPLE				N/A	5.0 U	5.0 U	 - μg/l	0	1/30	Grab
i nenantinene	PERMIT REQUIREMENT				N/A	35	105	μул	0	1/30	Grab
Benzene	SAMPLE				N/A	5.0 U	5.0 U	μg/l	0	1/30	Grab
	PERMIT REQUIREMENT				N/A	21	57	рул	0	1/30	Grab
Chlorobenzene	SAMPLE				N/A	5.0 UJL	5.0 U	 - μg/l	0	1/30	Grab
Onioropenzene	PERMIT REQUIREMENT		<u></u>		N/A	23	45	ру/і	0	1/30	Grab
1,2-Dichloroethane	SAMPLE				N/A	5.0 U	5.0 U	 - μg/l	0	1/30	Grab
1,2-Diomorocalano	PERMIT REQUIREMENT				N/A	30	85	ру//	0	1/30	Grab
1,1,1-Trichloroethane	SAMPLE				N/A	5.0 U	5.0 U	 - μg/l	0	1/30	Grab
i,i,i memerecatane	PERMIT REQUIREMENT				N/A	25,	65	P9/	0	1/30	Grab
NAME/TITLE PRINCIPAL EXECUTIVE OFFICE	R I certify under pen		nt and all attachments were p signed to assure that qualified			d · /		TELEPHON	E	DATE	
Brian Mikucki Project Coordinator	nformation submitted. Based ersons directly responsible fo mowledge and belief, true, a	on my inquiry of the person or gathering the information, occurate, and complete. I am a	or persons who ma the information su ware that there are	mage the bmitted is,	TURE OF PRINCIPAL EXE		2) 579-75	86 201	7 02	24	
TYPED OR PRINTED	significant penaltic for knowing violat		nation, including the possibil	ity of fine and imp	risonment OFF	ICER OR AUTHORIZED AC	ARE ARE	A NUM	1BER	YEAR MO	DAY

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		QUANT	TITY OR LOADING	}	C	UALITY OR CONC	ENTRATION		NO.	FREQUENCY	SAMPLE
PARAMETER		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	OF ANALYSIS	TYPE
1,1-Dichloroethane	SAMPLE				N/A	5.0 U	5.0 U		0	1/30	Grab
i, i-Dicilioroetilalie	PERMIT REQUIREMENT	- 100 mm			N/A	25	65	- μg/l	0	1/30	Grab
Chloroform	SAMPLE				N/A	5.0 U	5.0 U	/1	0	1/30	Grab
Chloroform	PERMIT REQUIREMENT				N/A	20	40	μg/l	0	1/30	Grab
Trans-1,2-Dichloroethene	SAMPLE				N/A	5.0 U	5.0 U	ua/l	0	1/30	Grab
mans-1,2-Dichloroethene	PERMIT REQUIREMENT				N/A	25	65	– μg/l	0	1/30	Grab
Ethyl Benzene	SAMPLE				N/A	5.0 U	5.0 U	/!	0	1/30	Grab
Luiyi Delizene	PERMIT REQUIREMENT	-			N/A		430	- μg/l	0	1/30	Grab
Toluene	SAMPLE				N/A	5.0 U	5.0 U	/!	0	1/30	Grab
roidene	PERMIT REQUIREMENT				N/A	18	18 35 μg/l	μул	0	1/30	Grab
Trichloroethene	SAMPLE				N/A	5.0 UJL	5.0 U	ua/l	0	1/30	Grab
ricinoroethene	PERMIT REQUIREMENT	77			N/A	25	65	μg/l	0	1/30	Grab
Vinyl Chloride	SAMPLE				N/A	5.0 U	5.0 U	ua/l	0	1/30	Grab
Villyl Cilionae	PERMIT REQUIREMENT	1	75.		N/A	25	65	——— μg/l 55		1/30	Grab
NAME/TITLE PRINCIPAL EXECUTIVE OFFICE	R I certify under pen		nt and all attachments were p signed to assure that qualified			9 . / / .		TELEPHON	E	DATE	
Brian Mikucki Project Coordinator	and evaluate the in system, or those po to the best of my k	formation submitted. Based ersons directly responsible for nowledge and belief, true, a	on my inquiry of the person or gathering the information, ccurate, and complete. I am	or persons who ma the information su aware that there are	inage the bmitted is,	TURE OF PRINCIPAL EXE	CUTIVE	2) 579-75	86 201	7 02	24
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FACILITY Diamond Alkali Superfund Site LOCATION Newark, Essex County, NJ

FROM

NJPDES DSW Permit Equivalent – May 2000 PERMIT NUMBER ----DISCHARGE NUMBER Form Approved OMB No. 2040-0004

MONITORING PERIOD											
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		QUANT	TITY OR LOADING	;	Q	UALITY OR CONC	ENTRATION		NO.	FREQUENCY	SAMPLE
PARAMETER		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNI TS	EX	OF ANALYSIS	TYPE
4,4-DDT	SAMPLE	7.8E-06	1.3E-05	lbs/d	N/A	0.34 U	0.34 U		0	1/30	Grab
4,4-001	PERMIT REQUIREMENT	NL	0.25	ay	N/A	NL	0.34	- μg/l	0	1/30	Grab
4,4-DDE	SAMPLE				N/A	0.35 U	0.35 U		0	1/30	Grab
4,4-DDL	PERMIT REQUIREMENT				N/A	NL	14	- μg/l	0	1/30	Grab
Alpha-endosulfan	SAMPLE				N/A	0.050 U 0.0	150 U	μg/l	0	1/30	Grab
Alpha-chuosunan	PERMIT REQUIREMENT	9-52			N/A	32	90	µg/i	0	1/30	Grab
2,4-D	SAMPLE				N/A	11 UJ	11 UJ	μg/l	0	1/30	Grab
2,4-5	PERMIT REQUIREMENT				N/A	1,500	3,300	μg/i	0	1/30	Grab
2,4-DB	SAMPLE				N/A	16 UJ	16 UJ	ua/l	0	1/30	Grab
2,4-00	PERMIT REQUIREMENT	<u>-15</u>	1		N/A	17	25	- μg/l	0	1/30	Grab
Dinoseb (DNBP)	SAMPLE				N/A	1.6 UJL	1.6 UJL	ua/l	0	1/30	Grab
Billoses (BNBF)	PERMIT REQUIREMENT		-		N/A	420	790	μg/l	0	1/30	Grab
Dioxin (2,3,7,8-TCDD)	SAMPLE	1.9E-09	3.2E-09	lbs/d	N/A 0.0	00081 U 0.000	081 U	ua/l	0	1/30	Grab
DIOXIII (2,3,7,0-1000)	PERMIT REQUIREMENT	NL	0.00006	ay	N/A	NL	0.000081	- μg/l	0	1/30	Grab
NAME/TITLE PRINCIPAL EXECUTIVE OFFICE	I certify under per		nt and all attachments were p igned to assure that qualified			d · / /	TI	ELEPHON	E	DATE	E
Brian Mikucki Project Coordinator	nformation submitted. Based ersons directly responsible fo mowledge and belief, true, a	on my inquiry of the person or gathering the information, occurate, and complete. I am a	or persons who ma the information su ware that there are	snage the bmitted is,	TURE OF PRINCIPAL EXEC		79-75	86 201	7 02	24	
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4) U – Constituent Analyzed, but Not Detected. 5) GPD – Gallons per Day. 6) lbs/day – pounds/day. 7) J – Detection limit is estimated. 8) The 2,4-D result is based on the analysis of the field duplicate sample, as approved by the USEPA via email on 11/15/16, because the result from the parent sample was rejected based on MS/MSD recoveries.

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PARAMETER		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNI TS	EX	OF ANALYSIS	TYPE
Total Recoverable Antimony	SAMPLE				N/A	60 U	60 U		0	1/30	Grab
Total Recoverable Antimony	PERMIT REQUIREMENT				N/A	200	305	- μg/l	0	1/30	Grab
Total Recoverable Arsenic	SAMPLE				N/A	12	12	μg/l	0	1/30	Grab
Total Recoverable Arsenie	PERMIT REQUIREMENT				N/A	50	115	рул	0	1/30	Grab
Total Recoverable Beryllium	SAMPLE				N/A	8.6 U	8.6 U	μg/l	0	1/30	Grab
Total Recoverable Beryllium	PERMIT REQUIREMENT	- TT			N/A	NL	8.6	μд/і	0	1/30	Grab
Total Recoverable Cadmium	SAMPLE				N/A	31 U	31 U	μg/l	0	1/30	Grab
Total Resoverable Gadinian	PERMIT REQUIREMENT				N/A	NL	31	µg/i	0	1/30	Grab
Hexavalent Chromium	SAMPLE				N/A	44 U	44 U	μg/l	0	1/30	Grab
Tiexavaient Omomium	PERMIT REQUIREMENT				N/A	NL	66	рул	0	1/30	Grab
Trivalent Chromium	SAMPLE				N/A	10 U	10 U		0	1/30	Grab
Trivalent Chronnum	PERMIT REQUIREMENT				N/A	NL	44	- μg/l	0	1/30	Grab
Total Bassyarahla Cannar	SAMPLE				N/A	62 U	62 U	La/I	0	1/30	Grab
Total Recoverable Copper	PERMIT REQUIREMENT				N/A	, NL,	μg/l		0	1/30	Grab
NAME/TITLE PRINCIPAL EXECUTIVE OFFICE		ent and all attachments were p signed to assure that qualified			9.//.	Т	ELEPHON	E	DATE		
Brian Mikucki Project Coordinator	formation submitted. Based ersons directly responsible f mowledge and belief, true, a	on my inquiry of the person for gathering the information, accurate, and complete. I am	or persons who man the information su aware that there are	anage the abmitted is, signa	TURE OF PRINCIPAL EXEC	CUTIVE	579-75	86 201	02	24	
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PARAMETER		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	OF ANALYSIS	TYPE
Total Recoverable Lead	SAMPLE				N/A	18 U	18 U	ua/l	0	1/30	Grab
	PERMIT REQUIREMENT				N/A	NL	18	- μg/l	0	1/30	Grab
Total Recoverable Mercury	SAMPLE				N/A	3.4 U	3.4 U	ua/l	0	1/30	Grab
Total Recoverable Mercury	PERMIT REQUIREMENT				N/A	NL	3.4	- μg/l	0	1/30	Grab
Total Recoverable Nickel	SAMPLE				N/A	73 U	73 U	/1	0	1/30	Grab
	PERMIT REQUIREMENT				N/A	NL	73	- μg/l	0	1/30	Grab
Total Recoverable Silver	SAMPLE				N/A	69 U	69 U	/1	0	1/30	Grab
Total Recoverable Sliver	PERMIT REQUIREMENT				N/A	NL	69	- μg/l	0	1/30	Grab
Total Recoverable Zinc	SAMPLE				N/A	47 U	47 U	ua/l	0	1/30	Grab
Total Necoverable Zille	PERMIT REQUIREMENT			N/A NL 47 μg/l	μул	0	1/30	Grab			
Total Cyanide	SAMPLE				N/A	78 U	78 U	a/I	0	1/30	Grab
rotal Gyanide	PERMIT REQUIREMENT				N/A	NL	78	- μg/l	0	1/30	Grab
	SAMPLE				N/A						
	PERMIT REQUIREMENT		7 200		N/A						
			ent and all attachments were p signed to assure that qualified			d · /		TELEPHON	E	DATE	
Brian Mikucki Project Coordinator	and evaluate the ir system, or those p to the best of my k	formation submitted. Based ersons directly responsible f mowledge and belief, true, i	on my inquiry of the person for gathering the information, accurate, and complete. I am	or persons who ma the information su aware that there are	snage the bmitted is,	TURE OF PRINCIPAL EXE		2) 579-75	86 201	7 02	24
TYPED OR PRINTED significant penalties for submitting false information, including the possibility of the forknowing violations.						ICER OR AUTHORIZED A		A NUM	/IBER	YEAR MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) 1) The flow quantity is actually the total flow discharged for the entire month. 2) NL – Not Limited. 3) N/A – Not Applicable. 4) U – Constituent Analyzed, but Not Detected. 5) GPD – Gallons per Day. 6) Ibs/day – pounds/day. 7) J – Detection limit is estimated.

ATTACHMENT 2

JUNE 2016 SUPPLEMENTAL TABLE FOR MONTHLY DISCHARGE MONITORING REPORT DIAMOND ALKALI SUPERFUND SITE NEWARK, NEW JERSEY

	Permit	Limitation	Sample ID:	W-TSI- ETT -010517	W-TSI-ETT-DUP010517	TB-010517-710R
		Larrance (Sample Date:	1/5/2017	1/5/2017	1/5/2017
Constituent	Monthly	Daily	SDGNumber:	LISTER710R	LISTER710R	LISTER710R
	Avg	Max	Units	Effluent	Effluent Duplicate	Trip Blank
Estables and a California						Hholaik
Total Suspended Solids(TSS)	30	50 40	mg/I	3.0 U	3.0 U	_
Total Organic Carbon (TOC)		40	mg/l	1.0 U	1.0 U	_
Petroleum Hydrocarbons	10	15	mg/I	5.0 WL	5.0 WL	_
pH	 445	6 - 9	SU /I	7.5	7.50	_
2,4,6-Trichlorophenol	115	260 425	μg/I	5.0 U	5.0 U	_
2-Chlorophenol	35	125	μg/I	5.0 U	5.0 U	_
2,4-Dichlorophenol	23	150	μg/I	5.0 U	5.0 U	=
Phenol	23 45	40	μg/l	23 U	23 U	- -
1,2,4-Trichlorobenzene	45	90	μg/I	5.0 U	5.0 U	5.0 U
Hexachlorobenzene	22	40	μg/I	22 U	22 U	-
1,2-Dichlorobenzene	40	110	μg/I	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	25	35	μg/I	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	18	45 46	μg/I	5.0 U	5.0 U	5.0 U
Fluoranthene		16	µg/I	10 U	10 U	-
Naphthalene	35	105	μg/I	5.0 U	5.0 U	-
Phenanthrene	35	105	μg/I	5.0 U	5.0 U	-
Benzene	21	57 45	μg/I	5.0 U	5.0 U	5.0 U
Chlorobenzene	23	45	μg/I 	5.0 WL	5.0 U	5.0 U
1,2-Dichloroethane	30	85	μg/I 	5.0 U	5.0 U	5.0 U
1,1,1-Trichloroethane	25	65	μg/I 	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	25	65	μg/I 	5.0 U	5.0 U	5.0 U
Chloroform	20	40	µg/I	5.0 U	5.0 U	5.0 U
1,2-Dichloroethene (Total)	25	65	μg/I 	5 U	5 U	_
trans-1,2-Dichloroethene	25	65	μg/I 	5.0 U	5.0 U	5.0 U
Ethylbenzene		430	μg/I	5.0 U	5.0 U	5.0 U
Toluene	18	35	μg/I	5.0 U	5.0 U	5.0 U
Trichloroethene	25	65	µg/I	5.0 WL	5.0 U	5.0 U
Vinyl Chloride	25	65	μg/I 	5.0 U	5.0 U	5.0 U
4,4-DDT		0.34	μg/I	0.34 U	0.34 U	-
4,4-DDE		14	μg/I	0.35 U	0.35 U	-
Endosulfan I	32	90	μg/I	0.050 U	0.050 U	_
2,4-D	1,500	3,300	μg/I	11 W	11 W	_
2,4-DB	17	25	μg/I	16 W	16 W	_
Dinoseb (DNBP)	420	790	μg/I	1.6 WL	1.6 WL	-
Dioxin (2,3,7,8-TCDD)		0.000081	µg/I	0.000081 U	0.000081 U	-
Total Recoverable Antimony	200	305	μg/I 	60 U	60 U	-
Total Recoverable Arsenic	50	115	μg/I	12	12	-
Total Recoverable Beryllium		8.6	μg/I 	8.6 U	8.6 U	_
Total Recoverable Cadmium		31	μg/I 	31 U	31 U	-
Hexavalent Chromium		66	μg/I 	44 U	44 U	-
Trivalent Chromium *		44	μg/I 	10 U	10 U	-
Total Recoverable Copper	-	62	μg/I	62 U	62 U	_
Total Recoverable Lead	-	18	μg/I	18 U	18 U	-
Total Recoverable Mercury		3.4	μg/I	3.4 U	3.4 U	-
Total Recoverable Nickel		73	μg/I	73 U	73 U	_
Total Recoverable Silver		69	μg/I	69 U	69 U	-
Total Recoverable Zinc		47	μg/I	47 U	47 U	=
Total Cyanide постановления постоя постановления постано		78	µg/I		78 U	endottas katandatas katandatas katandatas katandatas katandatas katandatas katandatas katandatas katandatas katanda Pada katandatan katandatas katandatas katandatas katandatas katandatas katandatas katandatas katandatas katand

Notes:

mg/I-Milligrams/liter µg/I-Micrograms/liter SU-Standard units

⁻⁻⁻Not applicable

U-Constituent was not detected above the associated detection limit

U-Constituent was not detected above the associated detection limit.

 $[\]ensuremath{\mathsf{W}}$ - The material was analyzed for, but was not detected. The sample quantitation limit is an estimated quantity.

UL - The material was analyzed for, but was not detected. The sample quantitation limit is an estimated quantity. Low bias is indicated. * Trivalent Chromium Concentration is calculated based on the total and hexavalent chromium results.

JANUARY 2017 MONTHLY DISCHARGE ANALYTICAL DATA SUMMARY DIAMOND ALKALI SUPERFUND SITE NEWARK, NEW JERSEY

CPD-Gallons perday

mg/I-Milligrams/liter

µg/I-Micrograms/liter SU-Standard units

⁻⁻Not applicable

U-Constituent was not detected above the associated detection limit.

W- The material was analyzed for, but was not detected. The sample quantitation limit is an estimated quantity.

WL-The material was analyzed for, but was not detected. The sample quantitation limit is an estimated quantity. Low bias is indicated.

⁽¹⁾ A Monthly Average Flow value is not calculated, value presented is the actual total flow (in gallors) for the month.

Monthly averages are based on 1/2 the detection limit, where applicable.

The mass loadings for hexachlorobenzene, 4,4-DDT, and 2,3,7,8-TCDD (dioxin) were calculated based on 1/2 of the detection limit.